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Figure 1A

atggaggtgcagcttcaggagtcaaggacctaggcctcgtaaaacctctcagactctgtccctcacctgttctgtactggcgactc
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Figure 1B

Mevqlqesgpslvkpsqlsltcsvtgdssitgywnwirkfpgnkleymgyisdsgityynpslksrisitrtdtsknqyyqlql
nfvtaedtatyncarriattyamdywgqgtstsgsgkpgsgegstkgdfvmtqtplslpvslgdqasiscrasql
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Figure 1C

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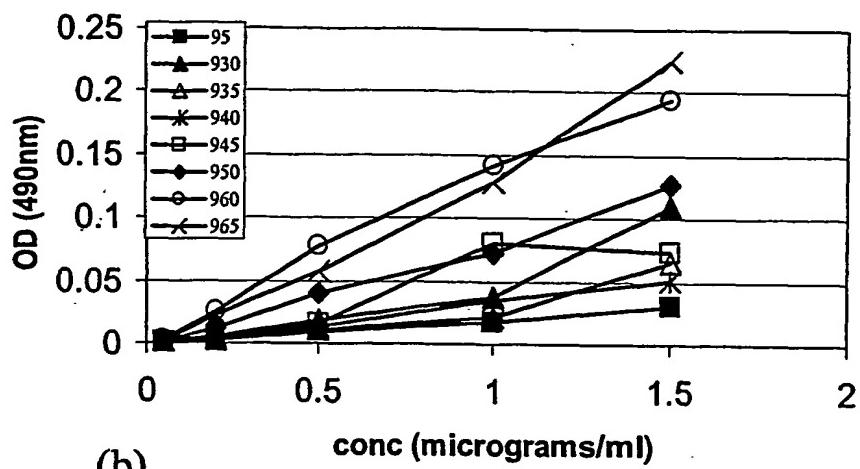
* L49 V_R * * * *
1 MEVQLQESGP SLVKPSQTLS LTCSVTGDSDI TSGYWNWIRK FPGNKLEYMG
51 YISDSCGITYY NPSLKSRSI TRDTSKNQYY LQLNFVTAED TATYNCARRT
218 Linker *
101 LATYYAMDYW GQGTTSVTVSS GSTSGSGKPG SGEGSTKGDF VMTQTPLSLP
L49 V_L
151 VSLGDDQASIS CRASQSLVHS NGNTYLHWYL QKPGQSPKLL IYRVSNRFSG
201 VPDRFSGSGS GTDFTLKISR VEAEDLGVYF CSQSTHVPPT FGGGKLEIK
251 RTPVSEKQLA EVVANTITPL MKAQSVPGMA VAVIYQGKPH YYTFGKADIA
301 ANKPVTPQTL FELGSISKTF TGVLGGDAIA RGEISLDDAV TRYWPQLTGK
351 QWQGIRMLDL ATYTAGGLPL QVPDEVTDNA SLLRFYQNWQ PQWKPGTTRL
401 YANASIGLFG ALAVKPSGMP YEQAMTTRVL KPLKLDHTWI NVPKAEEAHY
451 AWGYRDGKAV RVSPGMLDAQ AYGVKTNVQD MANWVMANMA PENVADASLK
501 QGIALAQSRV WRIGSMYQGL GWEMLNWPVE ANTVVETSGF NVALAPLPVA
551 EVNPPAPPVK ASWVHKTGST GGFGSYVAFI PEKOIGIVML ANTSYPNPAR
601 VEAAYHILEA LQ

Figure 1D

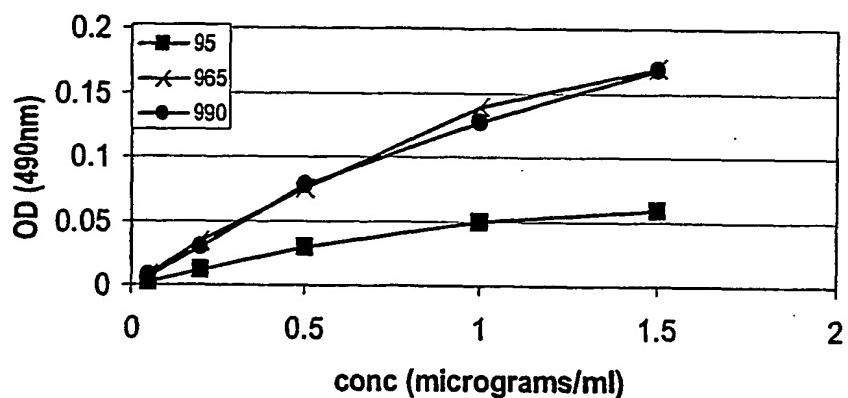
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(a)



(b)

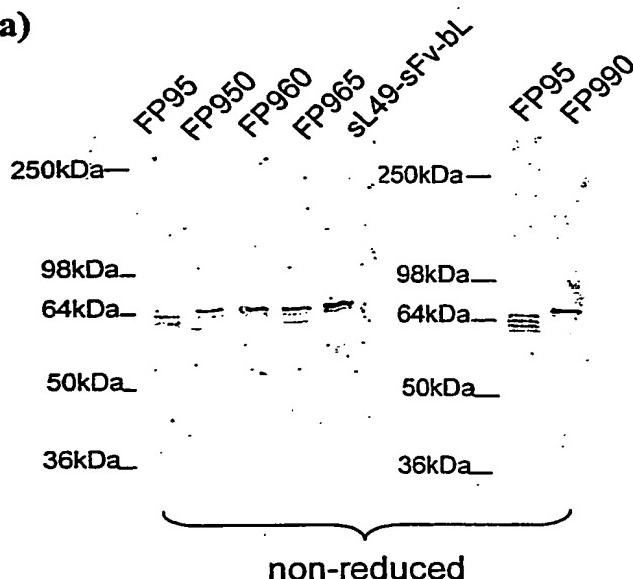


Figures 2A-2B

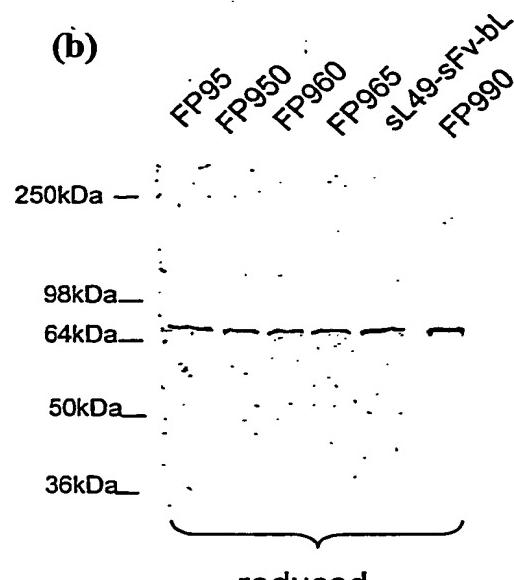
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Western analysis of refolded molecules

(a)

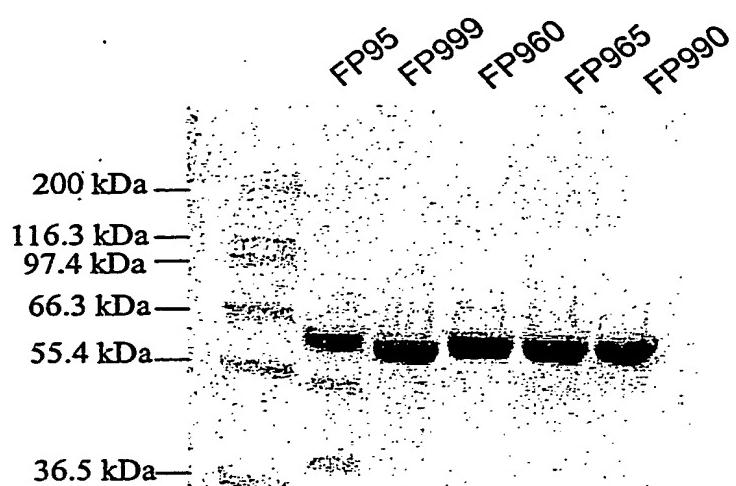


(b)



Figures 3A-3B

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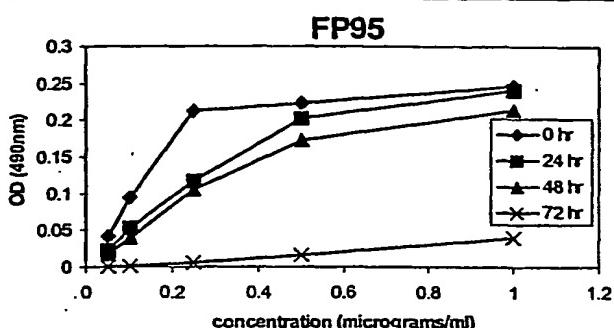
Purified L49-sFv-bL wild-type and mutant fusion protein**Figure 4**

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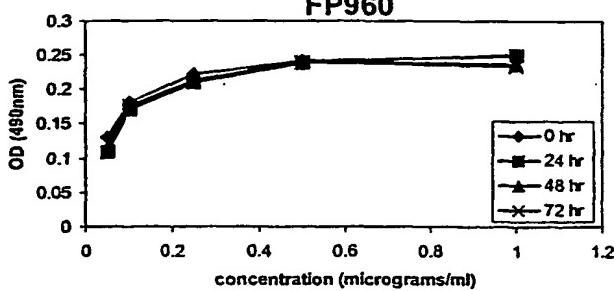
Figures SA-SE

Stability of L49-sFv-bL parental and mutant molecules in mouse plasma

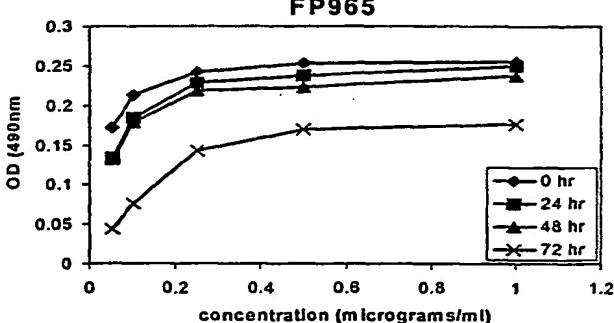
A.



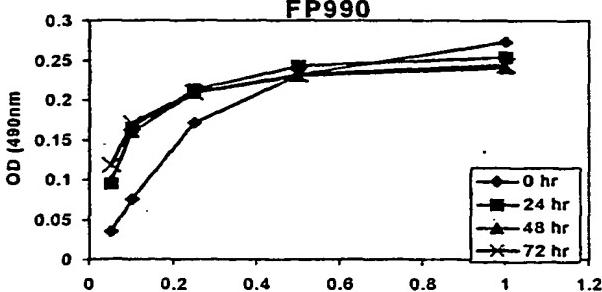
B.



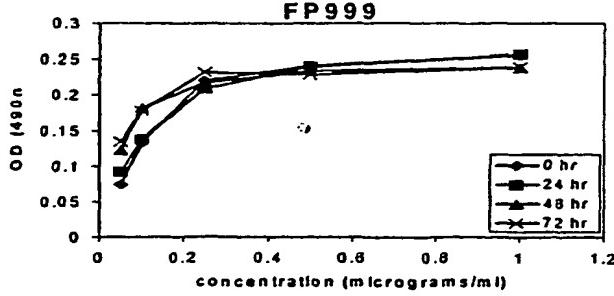
C.



D.



E.



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Cytotoxic Effects of Mutant L49-sFv-bL molecules FP990 and FP999 in combination with C-Mel

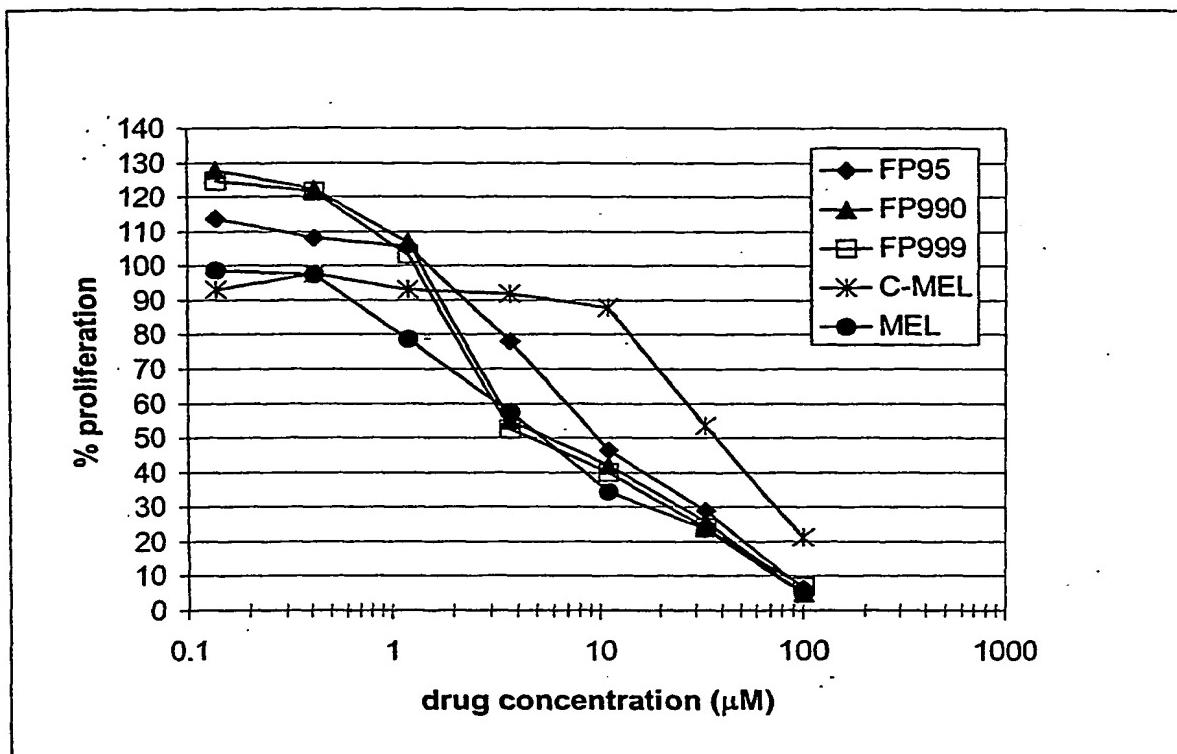
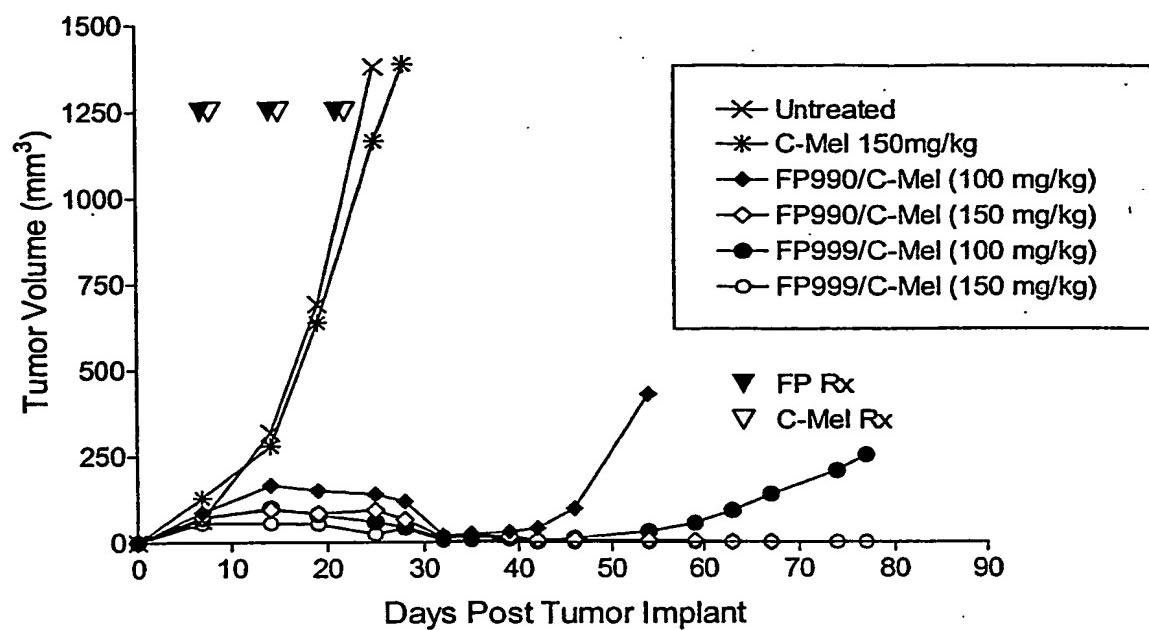


Figure 6

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In vivo efficacy of mutant L49-sFv-bL molecules FP990 and FP999 in combination with C-Mel



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